? s showfiles

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S19      57   SHOWFILES
```

? ds

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Set      Items    Description
S1        776     REQUEST (4N) COMMUNICATIONS (1N) SERVICE?
S2          7     AVAILABILTY (4N) (MESSAGE OR SIGNAL OR ALERT OR WARNING)
S3      61141     (AVAILABILITY OR AVAILABLE)  (4N) (MESSAGE OR SIGNAL OR AL-
                    ERT OR WARNING)
S4      44234     1 AND S3
S5         72     S1 AND S3
S6      13200     (ROUTING OR ROUTE? OR PATH? ?) AND BANDWIDTH AND NEGOTIAT?
S7       9446     5 AND S6
S8         32     S5 AND S6
S9         32     RD   (unique items)
S10        55     S1 AND S6
S11        55     RD   (unique items)
S12         0     SHOW FILES
S13       700     S3 AND S6
S14       674     RD   (unique items)
S15      2039     (SEGMENTATION OR DISPERSION OR ASSEMBLAGE) AND (AVAILABILI-
                    TY OR AVAILABLE)  (4N) (MESSAGE OR SIGNAL OR ALERT OR WARNING)
S16      1974     RD   (unique items)
S17      1089     S16 NOT PY>=2003
S18         4     S17 AND S1
S19        57     SHOWFILES
```

?

SYSTEMS AND METHODS FOR UTILIZING A COMMUNICATIONS NETWORK FOR PROVIDING MOBILE USERS ACCESS TO LEGACY SYSTEMS

SYSTEMES ET PROCEDES METTANT EN OEUVRE UN RESEAU DE COMMUNICATION·POUR FOURNIR A DES UTILISATEURS MOBILES L'ACCES A DES SYSTEMES EXISTANTS

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English Abstract:

Methods and systems provide a mobile workforce remote access to legacy systems utilizing a wireless communications network with a wireline network available as a backup network. This system includes portable personal computers in communication with the wireless or wireline communications network, protocol servers for receiving and forwarding messages to and from the portable personal computers, and an interface in communications with the protocol servers and legacy systems.

French Abstract:

L'invention concerne des procedes et des systemes pouvant fournir a des usagers mobiles un acces a distance a des systemes existants au moyen d'un reseau de communication sans fil relie a un reseau par fil utilise comme reseau de secours. Le systeme inclut des ordinateurs portatifs personnels qui communiquent avec le reseau de communication sans fil ou le reseau de communication par fil, des serveurs de protocoles qui recoivent ou acheminent des messages de ou vers les ordinateurs portatifs personnels, et une interface

communiquant avec les serveurs de protocoles et les systemes existants.

Detailed Description:

...on one of the cluster.

Additionally, the middleware also provides message compression, decompression, and any **segmentation** required to satisfy protocol or other communication constraints. The middleware software is preferably provided by...the RFexpress 122, 123 server are notified (via named pipe message) that a new outbound **message** is **available**. The instance of RFexpress server 122, 123 (residing on one of the other protocol server... ...28, 30.

Figure 19 shows the TechNet server software configuration 160. Software components include the **communications service** 60, Transaction **Request** Broker (TRB) 162, Hands Off Assignment Logic (HAL) 164 database server 166, and report server...

Claims:

...and asynchronous modes of transmission, connection establishment and management, frame recovery, message compression, decompression and **segmentation**, re-transmission in an event of a communications network failure and data encryption.

46 The...